

Test Yourself Chapter 2 Units of measurement Name: _____

All Multiple Choice

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| <p>1 The equivalent of 4.3 cm is: D</p> <p>A 0.43 mm
B 0.43 m
C 0.043 mm
D 0.043 m</p>
<p>2 A piece of '4 by 2' wood sells for \$0.52 per metre. If you bought 560 cm of this wood it would cost: A</p> <p>A \$2.91
B \$0.29
C \$0.92
D \$9.20</p>
<p>3 The mass of a bus would be most likely measured in: D</p> <p>A grams
B kilograms
C kilolitres
D tonnes</p>
<p>4 The weight of a jockey in a horse race is measured as 54.5 kg correct to the nearest half-kilogram. The maximum error in the measurement is: B</p> <p>A 0.1 kg
B 0.25 kg
C 0.5 kg
D 1 kg</p>
<p>5 The height of an underpass is given as 5.1 metres correct to one decimal place. The height of the underpass is actually between: C</p> <p>A 5.0 m and 5.2 m
B 5.0 m and 5.5 m
C 5.05 m and 5.15 m
D 5.09 m and 5.11 m</p> | <p>6 The capacity of a drink bottle is given as 250 mL correct to the nearest 10 mL. The maximum percentage error in the capacity of the bottle is: B</p> <p>A 1%
B 2%
C 2.5%
D 4%</p>
<p>7 Kerry estimates that the time taken for a journey will be 2 hours and 20 minutes. The actual time taken for the journey was 2 hours and 30 minutes. The percentage error in Kerry's estimate was: C</p> <p>A 4.3%
B 4.5%
C 6.7%
D 7.1%</p>
<p>8 The number 0.000 003 450 67 rounded to 2 significant figures would be: D</p> <p>A 0.0
B 0.1
C 0.000 003 4
D 0.000 003 5</p>
<p>9 456 257 952 written in scientific notation correct to 3 significant figures is: C</p> <p>A 4.56×10^6
B 4.563×10^6
C 4.56×10^8
D 4.563×10^8</p> |
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| <p>10 3.09×10^7 metres is equivalent to: C
 A 3.09×10^4 km
 B 3.09×10^{10} mm
 C Both A and B
 D Neither A or B</p> <p>11 Ashton earns \$425.60 for 38 hours of work. Ashton's wage, as a rate in its simplest form, is: D
 A \$9.00/h
 B \$10.20/h
 C \$11.00/h
 D \$11.20/h</p> <p>12 Four bottles of drink cost \$7.20. The cost of 7 bottles is: C
 A \$1.80
 B \$9.00
 C \$12.60
 D \$14.40</p> <p>13 If apples cost \$3.20/kg, the amount of apples that can be bought with \$20 is: B
 A 6 kg
 B 6.25 kg
 C 8 kg
 D 9.6 kg</p> <p>14 The average speed of a car travelling 500 km in 8 h is: A
 A 62.5 km/h
 B 65 km/h
 C 70 km/h
 D 72 km/h</p> <p>15 An aeroplane that travels at an average speed of 650 km/h will travel how far in 7 hours? B
 A 657 km
 B 4550 km
 C 5440 km
 D 7000 km</p> | <p>16 The price of a fishing rod is \$150. The price of the rod is increased by 20% and then reduced by 10%. The new cost of the fishing rod will be: B
 A \$160
 B \$162
 C \$165
 D \$168</p> <p>17 The price of a tool box is \$450. The price is discounted by 10% during a sale and then is reduced by a further 5%. The single discount equivalent to successive discounts of 10% and 5% is: A
 A 14.5%
 B 15%
 C 15.5%
 D 16%</p> <p>18 The ratio 0.4 : 0.72 expressed in simplest form is: C
 A 1:18
 B 18:1
 C 5:9
 D 9:5</p> <p>19 Cordial is made by mixing water and syrup in the ratio 15 : 2. The amount of water that needs to be added to 1.5 L of syrup is: C
 A 2 L
 B 9 L
 C 11.25 L
 D 15 L</p> <p>20 A grocer has 45-g, 55-g and 60-g eggs in the ratio 4 : 2 : 3. There are 972 eggs altogether. The number of 55-g eggs is: A
 A 216
 B 324
 C 432
 D 486</p> |
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